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NATIONAL PHOTOGRAPHIC
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PHOTOGRAPHIC
INTERPRETATION
REPORT

VHF COMMUNICATIONS FACILITIES
TAPA AREA, USSR

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TOP SECRET RUFF**VHF COMMUNICATIONS FACILITIES
TAPA AREA, USSR****ABSTRACT**

1. A troposcatter communications facility and five very high frequency (VHF) communications facilities have been identified in the Tapa area of the USSR on KEYHOLE photography. This report contains annotated photographs, antenna propagation azimuths, and reference data pertaining to each of the facilities.

INTRODUCTION

2. A troposcatter communications facility, five VHF communications facilities, and two air warning (AW) radar facilities have been identified on photography of the Tapa area (Figure 1). Tapa is 40 nautical miles east-southeast of Tallinn in northwestern USSR. This report provides data to aid in resolving the subordination of the Tapa air defense facilities of the Leningrad Air Defense District. One of the AW radar facilities is connected by cable to two VHF communications facilities. The other AW radar facility is connected by cable to two VHF communications facilities and a troposcatter facility. One of the five VHF facilities is collocated with the second AW radar facility which is targeted as Tapa AW Radar Facility TALL KING (Figure 2). No cable scar connecting all seven facilities could be identified. Following are basic descriptions and illustrations of the five VHF facilities (including the one targeted under the TALL KING facility) and the troposcatter facility. Antenna propagation azimuths shown on the illustrations (Figures 2 through

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BASIC DESCRIPTION**Tapa Airfield AW Radar Facility TALL KING**

Location: 59-18-32N 026-00-40E

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3. Tapa Airfield AW Radar Facility TALL KING is 3.5 nautical miles (nm) north of Tapa, USSR, and is one of five radar facilities which comprise the Leningrad outer ring air warning radar system. Collocated with the radar facility, adjacent to the radar control bunker, are six FORK REST VHF antennas and a control building (Figure 2). A cable scar can be traced from the radar control bunker to the Tapa Troposcatter Station, the Tapa Radio Communications Station North, and the Tapa VHF Communications Facility 3 (Figure 1).

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Tapa Radio Communications Station North

Location: 59-20-00N 026-00-00E

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4. Tapa Radio Communications Station North is 4.5 nm north-northeast of Tapa, USSR. It is secured by a single fence and contains ten FORK REST VHF antennas, one control building, and three support buildings (Figure 3). This station is connected by cable to the radar control bunker at the Tapa Airfield AW Radar Facility TALL KING (Figure 1).

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Tapa Troposcatter Station

Location: 59-19-30N 026-02-30E

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5. Tapa Troposcatter Station is 4.5 nm north-northeast of Tapa, USSR, and adjacent to Tapa Radio Communications Station North (Figure 4). The facility is secured by a single fence and contains three pairs of TWIN DISH troposcatter antennas and one control building. The troposcatter station is connected by cable to Tapa Radio Communication Station North and to Tapa Airfield AW Radar Facility TALL KING (Figure 1).

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25X1Tapa VHF Communications Facility 1

Location: 59-16-20N 026-00-20E

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6. Tapa VHF Communications Facility 1 is 2 nm east of Tapa, USSR. It contains six FORK REST VHF antennas, one control building, and five support buildings (Figure 5). The facility is connected by cable to Tapa Airfield Air Warning Radar Facility (see Figure 1). Limited interpretability of the available KEYHOLE photography precluded mensuration of the antenna azimuths.

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TOP SECRET RUFFTapa VHF Communications Facility 2

Location: 59-15-40N 026-01-30E

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7. Tapa VHF Communications Facility 2 is 2 nm northeast of Tapa, USSR. It is unsecured and contains six FORK REST VHF antennas, one control building, and three support buildings (Figure 6). The facility is connected by cable to the Tapa Airfield AW Radar Facility (Figure 1).

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Tapa VHF Communications Facility 3

Location: 59-16-20N 025-58-40E

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8. Tapa VHF Communications Facility 3 is 4.5 nm north of Tapa, USSR. It is secured by a single fence and contains ten FORK REST VHF antennas, one control building, and three support buildings (Figure 7). The facility is connected by cable to Tapa Airfield AW Radar Facility TALL KING (Figure 1).

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REFERENCES

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MAPS AND CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0153-2, scale
1:200,000

REQUIREMENT

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NPIC/IEG/WGD/SSB Project 251064

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